

# Package ‘spork’

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**Type** Package

**Title** Generalized Label Formatting

**Version** 0.3.3

**Author** Tim Bergsma

**Maintainer** Tim Bergsma <bergsmat@gmail.com>

**Description** The 'spork' syntax describes label formatting concisely, supporting mixed nesting of subscripts and superscripts to arbitrary depth. It intends to be easy to read and write in plain text, and easy to convert to equivalent presentations in 'plotmath', 'latex', and 'html'. Greek symbols and a multiplication symbol are explicitly supported. See ?as\_spork and ?as\_previews.

**License** GPL-3

**Encoding** UTF-8

**Imports** ggplot2, png, latexpdf, kableExtra

**RoxygenNote** 7.2.3

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as_html.spar	<i>Convert One Spork to Html</i>
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## Description

Converts one spork to html. See description for [as\\_spork](#). By default, unrecognized tokens are returned literally. However, Greek symbols and html metacharacters are escaped. See [htmlToken](#).

## Usage

```
## S3 method for class 'spar'
as_html(
  x,
  newline = getOption("html_newline", "<br/>"),
  unrecognized = getOption("html_unrecognized", spork::htmlToken),
  token_open = getOption("html_token_open", ""),
  token_close = getOption("html_token_close", ""),
  math_open = getOption("html_math_open", ""),
  math_close = getOption("html_math_close", ""),
  label_open = getOption("html_label_open", ""),
  label_close = getOption("html_label_close", ""),
  ...
)
```

## Arguments

x	spar
newline	value to replace '\n'
unrecognized	function to process unrecognized tokens: default <a href="#">htmlToken</a>
token_open, token_close	these wrap text-like portions of the label; the defaults try to give upright characters (non-italic); also passed to <a href="#">htmlToken</a>
math_open, math_close	these wrap math-like portions of the label; the defaults try to give upright characters (non-italic) which may not work for Greek symbols; also passed to <a href="#">htmlToken</a>
label_open, label_close	these wrap the entire label
...	passed to unrecognized; see <a href="#">htmlToken</a>

**Details**

Experimental support is implemented for the newline character ('\n'). Default behavior is to introduce linebreaks (<br/>) into the resulting html.

**Value**

html

**See Also**

Other interface: [as.expression.plotmath\(\)](#), [as\\_html.spork\(\)](#), [as\\_latex.spar\(\)](#), [as\\_latex.spork\(\)](#), [as\\_plotmath.spar\(\)](#), [as\\_plotmath.spork\(\)](#), [as\\_previews.spork\(\)](#), [as\\_spork.character\(\)](#), [htmlToken\(\)](#), [latexToken\(\)](#), [plotmathToken\(\)](#)

Other html: [\[.html\(\)\]](#), [\[\[.html\(\)\]](#), [as\\_html.greek\(\)](#), [as\\_html.spork\(\)](#), [as\\_html\(\)](#), [html2xml\(\)](#), [htmlToken\(\)](#)

**Examples**

```
library(magrittr)
'V_c./F' %>% as_spork %>% as_html
'AUC_ss' %>% as_spork %>% as_html
'C_max_ss' %>% as_spork %>% as_html
'var^eta_j' %>% as_spork %>% as_html
'& < $ # \_ { } ~ \^ \\' %>% as_spork %>% as_html
'one joule (Omega) ~ 1 kg*m^2./s^2' %>% as_spork %>% as_html
'one joule (`Omega`) ~ 1 kg*m^2./s^2' %>% as_spork %>% as_html
'one joule (\\`Omega\\`) ~ 1 kg*m^2./s^2' %>% as_spork %>% as_html
```

---

as\_html.spork

*Convert Spork to Html*


---

**Description**

Converts spork to html. Vectorized version of [as\\_html.spar](#).

**Usage**

```
## S3 method for class 'spork'
as_html(x, ...)
```

**Arguments**

```
x          spork
...        passed to as\_html.spar
```

**Value**

html

**See Also**

Other html: [\[.html\(\)\]](#), [\[\[.html\(\)\]](#), [as\\_html.greek\(\)](#), [as\\_html.spar\(\)](#), [as\\_html\(\)](#), [html2xml\(\)](#), [htmlToken\(\)](#)

Other spork: [\[.spork\(\)\]](#), [\[\[.spork\(\)\]](#), [as.list.spork\(\)](#), [as.png.spork\(\)](#), [as\\_latex.spork\(\)](#), [as\\_plotmath.spork\(\)](#), [as\\_previews.spork\(\)](#), [as\\_spar.default\(\)](#), [as\\_spar.spork\(\)](#), [as\\_spork.character\(\)](#), [as\\_spork.factor\(\)](#), [as\\_spork.spork\(\)](#), [as\\_spork\(\)](#), [ggplot.spork\(\)](#), [greek\(\)](#)

Other interface: [as.expression.plotmath\(\)](#), [as\\_html.spar\(\)](#), [as\\_latex.spar\(\)](#), [as\\_latex.spork\(\)](#), [as\\_plotmath.spar\(\)](#), [as\\_plotmath.spork\(\)](#), [as\\_previews.spork\(\)](#), [as\\_spork.character\(\)](#), [htmlToken\(\)](#), [latexToken\(\)](#), [plotmathToken\(\)](#)

**Examples**

```
x <- c(
  'V_c./F',
  'AUC_ss',
  'C_max_ss',
  'var^eta_j'
)
x <- as_spork(x)
as_html(x)
as_html(as_spork('gravitational force (kg\\m/s^2.)'))
```

---

as\_latex.spar

*Convert One Spork to Latex*


---

**Description**

Converts one spork to latex. See description for [as\\_spork](#). By default, unrecognized tokens are returned literally. However, Greek symbols and latex metacharacters are escaped. See [latexToken](#).

**Usage**

```
## S3 method for class 'spar'
as_latex(
  x,
  newline = getOption("latex_newline", "\n"),
  unrecognized = getOption("latex_unrecognized", spork::latexToken),
  token_open = getOption("latex_token_open", "\\textrm{"),
  token_close = getOption("latex_token_close", "}"),
  math_open = getOption("latex_math_open", "\\mathrm{"),
  math_close = getOption("latex_math_close", "}"),
  label_open = getOption("latex_label_open", "\\("),
  label_close = getOption("latex_label_close", "\\)"),
  enforce_math = getOption("latex_enforce_math", TRUE),
  script_size = getOption("latex_script_size", c("", "\\scriptsize ", "\\tiny ")),
  ...
)
```

**Arguments**

x	spar
newline	value to replace '\n'
unrecognized	function to process unrecognized tokens: default <a href="#">latexToken</a>
token_open, token_close	these wrap text-like portions of the label; the defaults try to give upright characters (non-italic); also passed to <a href="#">latexToken</a>
math_open, math_close	these wrap math-like portions of the label; the defaults try to give upright characters (non-italic) which may not work for Greek symbols; also passed to <a href="#">latexToken</a>
label_open, label_close	these wrap the entire label; defaults invoke traditional math mode
enforce_math	whether to enforce math mode for nested expression: <a href="#">latexToken</a>
script_size	three character values, one of which will be appended to token_open for unnested, nested, and multiply-nested contexts
...	passed to unrecognized; see <a href="#">latexToken</a>

**Details**

Experimental support is implemented for the newline character ('\n'). Default behavior is to introduce literal newline characters into the resulting tex. This may have no effect on the typeset result. It may be possible to achieve other effects by using non-default values of helper arguments and perhaps additional latex packages.

**Value**

latex

**See Also**

Other interface: [as.expression.plotmath\(\)](#), [as.html.spar\(\)](#), [as.html.spork\(\)](#), [as\\_latex.spork\(\)](#), [as\\_plotmath.spar\(\)](#), [as\\_plotmath.spork\(\)](#), [as\\_previews.spork\(\)](#), [as\\_spork.character\(\)](#), [htmlToken\(\)](#), [latexToken\(\)](#), [plotmathToken\(\)](#)

Other latex: [\[.latex\(\)](#), [\[ \[.latex\(\)](#), [as\\_latex.greek\(\)](#), [as\\_latex.spork\(\)](#), [as\\_latex\(\)](#), [concatenate.latex\(\)](#), [latexToken\(\)](#)

**Examples**

```
library(magrittr)
'V_c./F' %>% as_spork %>% as_latex
'AUC_ss' %>% as_spork %>% as_latex
'C_max_ss' %>% as_spork %>% as_latex
'var^eta_j' %>% as_spork %>% as_latex
'& % $ # \_ { } ~ \^ \\' %>% as_spork %>% as_latex
'one joule (Omega) ~ 1 kg*m^2./s^2' %>% as_spork %>% as_latex
'one joule (^Omega) ~ 1 kg*m^2./s^2' %>% as_spork %>% as_latex
'one joule (\`Omega) ~ 1 kg*m^2./s^2' %>% as_spork %>% as_latex
```

---

as_latex.spork	<i>Convert Spork to Latex</i>
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---

## Description

Converts spork to latex. Vectorized version of [as\\_latex.spar](#).

## Usage

```
## S3 method for class 'spork'
as_latex(x, ...)
```

## Arguments

x	spork
...	passed to <a href="#">as_latex.spar</a>

## Value

latex

## See Also

Other latex: [\[.latex\(\)](#), [\[\[.latex\(\)](#), [as\\_latex.greek\(\)](#), [as\\_latex.spar\(\)](#), [as\\_latex\(\)](#), [concatenate.latex\(\)](#), [latexToken\(\)](#)

Other spork: [\[.spork\(\)](#), [\[\[.spork\(\)](#), [as.list.spork\(\)](#), [as.png.spork\(\)](#), [as.html.spork\(\)](#), [as\\_plotmath.spork\(\)](#), [as\\_previews.spork\(\)](#), [as\\_spar.default\(\)](#), [as\\_spar.spork\(\)](#), [as\\_spork.character\(\)](#), [as\\_spork.factor\(\)](#), [as\\_spork.spork\(\)](#), [as\\_spork\(\)](#), [ggplot.spork\(\)](#), [greek\(\)](#)

Other interface: [as.expression.plotmath\(\)](#), [as.html.spar\(\)](#), [as.html.spork\(\)](#), [as\\_latex.spar\(\)](#), [as\\_plotmath.spar\(\)](#), [as\\_plotmath.spork\(\)](#), [as\\_previews.spork\(\)](#), [as\\_spork.character\(\)](#), [htmlToken\(\)](#), [latexToken\(\)](#), [plotmathToken\(\)](#)

## Examples

```
x <- c(
  'V_c./F',
  '\\nAUC_ss',
  'C_max_ss\\n',
  'var^eta_j\\nrecords'
)
x <- as_spork(x)
writeLines(as_latex(x))
x <- as_spork('gravitational force\\n (kg\\m/s^2)')
explicit(x)
as_latex(x)
```

---

as_plotmath.spar	<i>Convert One Spork to Plotmath</i>
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---

### Description

Converts one spork to plotmath. See description for [as\\_spork](#). Unrecognized tokens are returned unmodified by default. Otherwise, backslashes and single quotes are escaped, and the result is wrapped in single quotes. See [plotmathToken](#).

### Usage

```
## S3 method for class 'spar'
as_plotmath(
  x,
  unrecognized = getOption("plotmath_unrecognized", spork::plotmathToken),
  ...
)
```

### Arguments

x	spar
unrecognized	function to process unrecognized tokens
...	passed to unrecognized

### Details

Experimental support is implemented for the sequence "backslash n" ('\n'). It tries to break the expression at the point indicated, and stack the results. Active subscripts and superscripts are closed in advance, preventing these from breaking across lines.

### Value

character

### See Also

[plotmathToken](#)

Other interface: [as.expression.plotmath\(\)](#), [as.html.spar\(\)](#), [as.html.spork\(\)](#), [as.latex.spar\(\)](#), [as.latex.spork\(\)](#), [as\\_plotmath.spork\(\)](#), [as\\_previews.spork\(\)](#), [as\\_spork.character\(\)](#), [htmlToken\(\)](#), [latexToken\(\)](#), [plotmathToken\(\)](#)

Other plotmath: [.plotmath\(\)](#), [\[.plotmath\(\)](#), [as.expression.plotmath\(\)](#), [as.png.plotmath\(\)](#), [as\\_plotmath.greek\(\)](#), [as\\_plotmath.spork\(\)](#), [as\\_plotmath\(\)](#), [concatenate.plotmath\(\)](#), [ggplot.plotmath\(\)](#), [goodToken\(\)](#), [plotmathToken\(\)](#)

Other spar: [as\\_spar.default\(\)](#), [as\\_spar.spork\(\)](#), [as\\_spar\(\)](#)

## Examples

```
library(magrittr)
'V_c./F' %>% as_spork %>% as_plotmath
'AUC_ss' %>% as_spork %>% as_plotmath
'C_max_ss' %>% as_spork %>% as_plotmath
'var^eta_j' %>% as_spork %>% as_plotmath
'& % $ # \_ { } ~ \^ \\' %>% as_spork %>% as_plotmath
'one joule (Omega) ~ 1 kg*m^2./s^2' %>% as_spork %>% as_plotmath
'one joule (`Omega`) ~ 1 kg*m^2./s^2' %>% as_spork %>% as_plotmath
'one joule (\\`Omega\\`) ~ 1 kg*m^2./s^2' %>% as_spork %>% as_plotmath
```

---

as_plotmath.spork	<i>Convert Spork to Plotmath</i>
-------------------	----------------------------------

---

## Description

Converts spork to plotmath. See [plotmath](#). Vectorized version of [as\\_plotmath.spar](#).

## Usage

```
## S3 method for class 'spork'
as_plotmath(x, ...)
```

## Arguments

x	spork
...	passed to <a href="#">as_plotmath.spar</a>

## Value

plotmath

## See Also

Other plotmath: [\[.plotmath\(\)](#), [\[\[.plotmath\(\)](#), [as.expression.plotmath\(\)](#), [as.png.plotmath\(\)](#), [as\\_plotmath.greek\(\)](#), [as\\_plotmath.spar\(\)](#), [as\\_plotmath\(\)](#), [concatenate.plotmath\(\)](#), [ggplot.plotmath\(\)](#), [goodToken\(\)](#), [plotmathToken\(\)](#)

Other spork: [\[.spork\(\)](#), [\[\[.spork\(\)](#), [as.list.spork\(\)](#), [as.png.spork\(\)](#), [as.html.spork\(\)](#), [as\\_latex.spork\(\)](#), [as\\_previews.spork\(\)](#), [as\\_spar.default\(\)](#), [as\\_spar.spork\(\)](#), [as\\_spork.character\(\)](#), [as\\_spork.factor\(\)](#), [as\\_spork.spork\(\)](#), [as\\_spork\(\)](#), [ggplot.spork\(\)](#), [greek\(\)](#)

Other interface: [as.expression.plotmath\(\)](#), [as.html.spar\(\)](#), [as.html.spork\(\)](#), [as\\_latex.spar\(\)](#), [as\\_latex.spork\(\)](#), [as\\_plotmath.spar\(\)](#), [as\\_previews.spork\(\)](#), [as\\_spork.character\(\)](#), [htmlToken\(\)](#), [latexToken\(\)](#), [plotmathToken\(\)](#)



**Examples**

```
library(magrittr)
'V_c./F' %>% as_spork %>% as_plotmath
'AUC_ss' %>% as_spork %>% as_plotmath
'C_max_ss' %>% as_spork %>% as_plotmath
'var^eta_j' %>% as_spork %>% as_plotmath
'one joule (Omega) ~ 1 kg*m^2./s^2' %>% as_spork %>% as_plotmath
```

---

as\_previews.spork      *Compare Previews of Spork*

---

**Description**

Compares plotmath and latex previews of spork Generates png for both, and overlays latex above plotmath.

**Usage**

```
## S3 method for class 'spork'
as_previews(x, wide = 70, long = 20, width = 3, height = 1, sleep = 2, ...)
```

**Arguments**

x	length-one spork
wide	width in mm of the latex image
long	length in mm of the latex image
width	width (default: inches) of the plotmath image
height	height (default: inches) of the plotmath image
sleep	how long to pause after html before latex/plotmath
...	passed arguments

**Value**

invisible list of filepaths

**See Also**

Other preview: [as.png.plotmath\(\)](#), [as.png.spork\(\)](#), [as\\_preview.html\(\)](#), [as\\_preview.latex\(\)](#), [as\\_preview.plotmath\(\)](#), [as\\_previews.default\(\)](#), [as\\_previews\(\)](#), [as\\_preview\(\)](#), [ggplot.plotmath\(\)](#), [ggplot.spork\(\)](#)

Other interface: [as.expression.plotmath\(\)](#), [as\\_html.spar\(\)](#), [as\\_html.spork\(\)](#), [as\\_latex.spar\(\)](#), [as\\_latex.spork\(\)](#), [as\\_plotmath.spar\(\)](#), [as\\_plotmath.spork\(\)](#), [as\\_spork.character\(\)](#), [htmlToken\(\)](#), [latexToken\(\)](#), [plotmathToken\(\)](#)

Other spork: [\[.spork\(\)](#), [\[.\[.spork\(\)](#), [as.list.spork\(\)](#), [as.png.spork\(\)](#), [as\\_html.spork\(\)](#), [as\\_latex.spork\(\)](#), [as\\_plotmath.spork\(\)](#), [as\\_spar.default\(\)](#), [as\\_spar.spork\(\)](#), [as\\_spork.character\(\)](#), [as\\_spork.factor\(\)](#), [as\\_spork.spork\(\)](#), [as\\_spork\(\)](#), [ggplot.spork\(\)](#), [greek\(\)](#)

## Examples

```
library(magrittr)
specials <- '& % $ # \\_ { } ~ \\^ \\'

# specials %>% as_spork %>% as_previews
# specials %>% gsub(' ', '', .) %>% as_spork %>% as_previews
# 'one joule (Omega) ~ 1 kg*m^2./s^2' %>% as_spork %>% as_previews

# disambiguation for plotmath and latex (see \code{\link[grDevices]{plotmath}}):

# 'epsilon.varepsilon' %>% as_spork %>% as_previews
# 'rho.varrho' %>% as_spork %>% as_previews
# 'Upsilon.Upsilon1' %>% as_spork %>% as_previews
# 'phi.phi1.varphi' %>% as_spork %>% as_previews
# 'sigma.sigma1.varsigma.stigma' %>% as_spork %>% as_previews
# 'theta.vartheta.theta1' %>% as_spork %>% as_previews
# 'omega.omega1.pi.varpi' %>% as_spork %>% as_previews
```

---

as\_spar.spork

*Parse Spork*


---

## Description

Parses spork. Converts length-one character to vector of tokens. Explicit tokens include `*.``_``^` and any of these escaped with backslash, e.g. `'\*'`. Backslash-`n` is an explicit token (`'\n'`). Backslash-backtick is an explicit token (`'\`'`). One or more consecutive whitespace characters are a single token, as are one or more consecutive octothorpes (`#`). Any string of characters delimited by one or more of the above is implicitly a token as well. As of version 0.2.6, supported names of Greek letters are tokens (see [greek](#)) possibly bounded by backticks (to be interpreted literally).

## Usage

```
## S3 method for class 'spork'
as_spar(x, ...)
```

## Arguments

<code>x</code>	length-one character using spork syntax
<code>...</code>	ignored arguments

## Value

spar (character vector)

**See Also**

Other spar: [as\\_plotmath.spar\(\)](#), [as\\_spar.default\(\)](#), [as\\_spar\(\)](#)

Other spork: [\[.spork\(\)](#), [\[\[.spork\(\)](#), [as.list.spork\(\)](#), [as.png.spork\(\)](#), [as\\_html.spork\(\)](#), [as\\_latex.spork\(\)](#), [as\\_plotmath.spork\(\)](#), [as\\_previews.spork\(\)](#), [as\\_spar.default\(\)](#), [as\\_spork.character\(\)](#), [as\\_spork.factor\(\)](#), [as\\_spork.spork\(\)](#), [as\\_spork\(\)](#), [ggplot.spork\(\)](#), [greek\(\)](#)

**Examples**

```
as_spar(as_spork('one joule (Omega) ~ 1 kg*m^2./s^2'))
as_spar(as_spork('one joule (`Omega`) ~ 1 kg*m^2./s^2'))
as_spar(as_spork('one joule (\\`Omega\\`) ~ 1 kg*m^2./s^2'))
```

---

as\_spork.character      *Coerce Character to Spork*

---

**Description**

Coerces character to class 'spork'. See description for [as\\_spork](#).

**Usage**

```
## S3 method for class 'character'
as_spork(x, ...)
```

**Arguments**

x	character
...	ignored arguments

**Value**

spork

**See Also**

Other spork: [\[.spork\(\)](#), [\[\[.spork\(\)](#), [as.list.spork\(\)](#), [as.png.spork\(\)](#), [as\\_html.spork\(\)](#), [as\\_latex.spork\(\)](#), [as\\_plotmath.spork\(\)](#), [as\\_previews.spork\(\)](#), [as\\_spar.default\(\)](#), [as\\_spar.spork\(\)](#), [as\\_spork.factor\(\)](#), [as\\_spork.spork\(\)](#), [as\\_spork\(\)](#), [ggplot.spork\(\)](#), [greek\(\)](#)

Other interface: [as.expression.plotmath\(\)](#), [as\\_html.spar\(\)](#), [as\\_html.spork\(\)](#), [as\\_latex.spar\(\)](#), [as\\_latex.spork\(\)](#), [as\\_plotmath.spar\(\)](#), [as\\_plotmath.spork\(\)](#), [as\\_previews.spork\(\)](#), [htmlToken\(\)](#), [latexToken\(\)](#), [plotmathToken\(\)](#)

Other character: [concatenate.character\(\)](#)

**Examples**

```
as_spork('V_c./F')
```

---

htmlToken

*Process Html Token*


---

**Description**

Pre-processes a html token not recognized as spork. Escapes the common names for Greek letters and escapes html metacharacters.

**Usage**

```
htmlToken(
  x,
  token_open = getOption("html_token_open", ""),
  token_close = getOption("html_token_close", ""),
  math_open = getOption("html_math_open", ""),
  math_close = getOption("html_math_close", ""),
  label_open = getOption("html_label_open", ""),
  label_close = getOption("html_label_close", ""),
  ...
)
```

**Arguments**

x	character
token_open, token_close	these wrap the entire token (used once); by default the token is text-like
math_open, math_close	these wrap math-like portions of the token; the defaults try to give upright characters (non-italic) which may not work for Greek symbols
label_open, label_close	these re-wrap math-like portions of the token
...	ignored arguments

**Value**

html

**See Also**

Other html: [\[.html\(\)](#), [\[\[.html\(\)](#), [as\\_html.greek\(\)](#), [as\\_html.spar\(\)](#), [as\\_html.spork\(\)](#), [as\\_html\(\)](#), [html2xml\(\)](#)

Other interface: [as.expression.plotmath\(\)](#), [as\\_html.spar\(\)](#), [as\\_html.spork\(\)](#), [as\\_latex.spar\(\)](#), [as\\_latex.spork\(\)](#), [as\\_plotmath.spar\(\)](#), [as\\_plotmath.spork\(\)](#), [as\\_previews.spork\(\)](#), [as\\_spork.character\(\)](#), [latexToken\(\)](#), [plotmathToken\(\)](#)

**Examples**

```
htmlToken('foo')
htmlToken('alpha')
htmlToken('Alpha')
```

latexToken

*Process Latex Token*

**Description**

Pre-processes a latex token not recognized as spork. Escapes the common names for Greek letters and escapes latex metacharacters.

**Usage**

```
latexToken(
  x,
  token_open = getOption("latex_token_open", "\\textrm{"),
  token_close = getOption("latex_token_close", "}"),
  math_open = getOption("latex_math_open", "\\mathrm{"),
  math_close = getOption("latex_math_close", "}"),
  label_open = getOption("latex_label_open", "\\("),
  label_close = getOption("latex_label_close", "\\)"),
  enforce_math = getOption("latex_enforce_math", TRUE),
  ...
)
```

**Arguments**

- x                    character
- token\_open, token\_close            these wrap the entire token (used once); by default the token is text-like
- math\_open, math\_close            these wrap math-like portions of the token; the defaults try to give upright characters (non-italic) which may not work for Greek symbols
- label\_open, label\_close            these re-wrap math-like portions of the token if enforce\_math is TRUE; defaults invoke traditional math mode
- enforce\_math        whether to enforce math mode for nested expression
- ...                    ignored arguments

**Value**

latex

**See Also**

Other latex: [\[.latex\(\)](#), [\[\[.latex\(\)](#), [as\\_latex.greek\(\)](#), [as\\_latex.spar\(\)](#), [as\\_latex.spork\(\)](#), [as\\_latex\(\)](#), [concatenate.latex\(\)](#)

Other interface: [as.expression.plotmath\(\)](#), [as.html.spar\(\)](#), [as.html.spork\(\)](#), [as\\_latex.spar\(\)](#), [as\\_latex.spork\(\)](#), [as\\_plotmath.spar\(\)](#), [as\\_plotmath.spork\(\)](#), [as\\_previews.spork\(\)](#), [as\\_spork.character\(\)](#), [htmlToken\(\)](#), [plotmathToken\(\)](#)

**Examples**

```
latexToken('foo')
latexToken('alpha')
latexToken('Alpha')
```

---

plotmathToken

*Process Plotmath Token*


---

**Description**

Processes a plotmath token. Escapes single-quotes and wraps in single-quotes. Also maps 'varepsilon' to 'epsilon', since plotmath has only the latter; likewise 'varrho' maps to 'rho' and 'varpi' maps to 'omega1'.

**Usage**

```
plotmathToken(
  x,
  conditional = getOption("plotmath_conditional_quote", FALSE),
  unescape = getOption("plotmath_unescape", TRUE),
  ...
)
```

**Arguments**

x	(length-one) character
conditional	if true, return good tokens (parseable) unmodified; see <a href="#">goodToken</a>
unescape	whether to escape (unrecognized) backslash
...	ignored arguments

**Value**

plotmath

**See Also**

Other plotmath: [\[.plotmath\(\)](#), [\[\[.plotmath\(\)](#), [as.expression.plotmath\(\)](#), [as.png.plotmath\(\)](#), [as\\_plotmath.greek\(\)](#), [as\\_plotmath.spar\(\)](#), [as\\_plotmath.spork\(\)](#), [as\\_plotmath\(\)](#), [concatenate.plotmath\(\)](#), [ggplot.plotmath\(\)](#), [goodToken\(\)](#)

Other interface: [as.expression.plotmath\(\)](#), [as\\_html.spar\(\)](#), [as\\_html.spork\(\)](#), [as\\_latex.spar\(\)](#), [as\\_latex.spork\(\)](#), [as\\_plotmath.spar\(\)](#), [as\\_plotmath.spork\(\)](#), [as\\_previews.spork\(\)](#), [as\\_spork.character\(\)](#), [htmlToken\(\)](#), [latexToken\(\)](#)

**Examples**

```
plotmathToken("can't")
plotmathToken("\\", unescape = TRUE)
plotmathToken("\\", unescape = FALSE)
plotmathToken("\n", conditional = TRUE)
plotmathToken("\n", conditional = FALSE)
plotmathToken('alpha')
plotmathToken('Alpha')
```

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